



Science Toolkit: Grade 5 Objective 2.A.3.a

Student Handout: Science: Grade 5 Objective 2.A.3.a

Standard 2.0 Earth/Space Science

Topic A. Materials and Processes That Shape A Planet

Indicator 3. Explain how rock is formed from combinations of different minerals and that smaller rocks come from the breakage and weathering of bedrock (solid rock underlying soil components) and larger rocks; soil is made partly from weathered rock, partly from plant remains-and also contains many living organisms.

Objective a. Observe and classify a collection of minerals based on their physical properties.

Color

Luster

Hardness

Streak

Selected Response (SR) Item

Question

Use the information and data table below to answer the following:

Students tested several samples of rocks and minerals. The students used the table below to identify the samples.

ROCK AND MINERAL PROPERTIES

Name	Minerals	Color	Luster	Hardness	Streak
Bauxite	Gibbsite, diaspore, boehmite	Reddish brown, white, tan, yellow	Nonmetallic	1–3	White
Calcite	Calcite	Colorless	Nonmetallic	3	White
Pink granite	Feldspar, mica, quartz	Gray, black, pink, dark green, colorless	Nonmetallic	3–7	White
Talc	Talc	Pale green	Nonmetallic	1	White
Topaz	Topaz	Colorless	Nonmetallic	8	White
Zorite	Zorite	Pink	Nonmetallic	4	White

One of the samples the students tested was pink, was nonmetallic, had a hardness of 4, and produced a white streak.

The sample was most likely

A. bauxite

- B. calcite
- C. talc
- D. zorite

Correct Answer

D. zorite

Question

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